

GenCore version 4.5  
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 28, 2002, 17:29:54 ; Search time 79.38 Seconds  
(without alignments)  
686.085 Million cell updates/sec

Title: US-09-502-984B-1

Perfect score: 1194

Sequence: 1 APPPNLPDPKFEKSKALLAA.....GGFWSAMSEPVSLTPSDLD 225

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 747981

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Database : Listing first 45 summaries

Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/ptodata/1/paa/PCU\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/1/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1194	100.0	225	US-09-502-984B-1	Sequence 1, Appl
2	1194	100.0	508	US-09-791-537-99806	Sequence 99806, A
3	1177	98.6	228	US-09-791-537-38134	Sequence 38134, A
4	1158.5	97.0	227	US-09-791-537-68105	Sequence 68105, A
5	1133	94.9	215	US-09-791-537-105911	Sequence 105911, A
6	1123	94.1	213	US-09-791-537-67299	Sequence 67299, A
7	1112	93.1	211	US-09-502-984B-2	Sequence 2, Appl
8	1112	93.1	211	US-09-791-537-86927	Sequence 86927, A
9	1100	92.0	211	US-09-502-984B-18	Sequence 18, Appl
10	1099	92.0	211	US-09-502-984B-7	Sequence 7, Appl
11	1097	91.9	211	US-09-502-984B-12	Sequence 12, Appl
12	1096	91.8	211	US-09-502-984B-13	Sequence 13, Appl
13	1096	91.8	211	US-09-502-984B-14	Sequence 14, Appl
14	1096	91.8	211	US-09-502-984B-15	Sequence 15, Appl
15	1095	91.7	211	US-09-502-984B-11	Sequence 11, Appl
16	1091	91.4	211	US-09-502-984B-19	Sequence 19, Appl
17	1090	91.3	211	US-09-502-984B-9	Sequence 9, Appl
18	1090	91.3	211	US-09-502-984B-10	Sequence 10, Appl
19	1088.5	91.2	212	US-09-502-984B-3	Sequence 3, Appl
20	1086	91.0	211	US-09-502-984B-4	Sequence 4, Appl
21	1086	91.0	211	US-09-502-984B-5	Sequence 5, Appl
22	1086	91.0	211	US-09-502-984B-17	Sequence 17, Appl
23	1086	91.0	211	US-09-502-984B-20	Sequence 20, Appl
24	1083	90.7	211	US-09-502-984B-8	Sequence 8, Appl
25	1080	90.5	211	US-09-502-984B-16	Sequence 16, Appl
26	1077	90.2	211	US-09-502-984B-21	Sequence 21, Appl

27	1077	90.2	211	US-09-502-984B-24	Sequence 24, Appl
28	1076	90.1	211	US-09-502-984B-25	Sequence 25, Appl
29	1074	89.9	211	US-09-502-984B-23	Sequence 23, Appl
30	1072	89.8	211	US-09-502-984B-22	Sequence 22, Appl
31	1072	89.8	211	US-09-502-984B-26	Sequence 26, Appl
32	1071	89.7	211	US-09-502-984B-28	Sequence 28, Appl
33	1061	88.9	211	US-09-502-984B-27	Sequence 27, Appl
34	1060	88.8	211	US-09-502-984B-6	Sequence 6, Appl
35	1060	88.8	249	US-09-502-984B-37	Sequence 37, Appl
36	1049	87.9	211	US-09-502-984B-29	Sequence 29, Appl
37	982.5	82.3	507	US-09-791-537-1440	Sequence 1440, Ap
38	982.5	82.3	507	US-09-791-537-126514	Sequence 126514,
39	981.5	82.2	507	US-09-791-537-9845	Sequence 9845, Ap
40	966.5	80.9	265	US-09-791-537-4913	Sequence 4913, Ap
41	965.5	80.9	316	US-09-791-537-55613	Sequence 55613, A
42	851	71.3	229	US-09-791-537-40030	Sequence 40030, A
43	846	70.9	229	US-09-791-537-40031	Sequence 40031, A
44	222.5	18.6	117	US-09-831-458A-5	Sequence 5, Appl
45	205	17.2	625	US-10-099-895-34	Sequence 34, Appl

## ALIGNMENTS

```
RESULT 1
US-09-502-984B-1
; Sequence 1, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RPT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-502-984B-1

Query Match          100.0%; Score 1194; DB 5; Length 225;
Best Local Similarity 100.0%; Pred. No. 2.7e-106;
Matches 225; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 APPPNLPDPKFEKSKALLAARGPEELCTETLEEDLVCHWENAAAGVGPGRVSYSTOLE 60
    |||||||
Db 1 APPPNLPDPKFEKSKALLAARGPEELCTETLEEDLVCHWENAAAGVGPGRVSYSTOLE 60
    |||||||

QY 61 DDPWKLICRHQAPRTAGAVRFWCSLPTADTSFVPLELRVTASGAPRRHYTHINEVYL 120
    |||||||
Db 61 DDPWKLICRHQAPRTAGAVRFWCSLPTADTSFVPLELRVTASGAPRRHYTHINEVYL 120
    |||||||

QY 121 IDAPVGLVARLADESGHVLRWLPPETPMTSHIREVDVSAAGAGSVQVEILEGRTE 180
    |||||||
Db 121 IDAPVGLVARLADESGHVLRWLPPETPMTSHIREVDVSAAGAGSVQVEILEGRTE 180
    |||||||

QY 181 CVLSNLRGRTRTTFVRRAMAPSPSGGWSAMSEPVSLTPSDLD 225
    |||||||
Db 181 CVLSNLRGRTRTTFVRRAMAPSPSGGWSAMSEPVSLTPSDLD 225
    |||||||

RESULT 2
US-09-791-537-99806
; Sequence 99806, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomomix, Inc.
; APPLICANT: Derek
```

```

; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 99806
; LENGTH: 508
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-99806
```

```

Query Match          100.0%; Score 1194; DB 5; Length 508;
Best Local Similarity 100.0%; Pred. No. 7.6e-106;
Matches 225; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 APPNLPDPKFEKKAALLAARGPEELCTERLEDVLCFWEAASAGVGPNYSFSYQLE 60
    |||||||
Db 25 APPNLPDPKFEKKAALLAARGPEELCTERLEDVLCFWEAASAGVGPNYSFSYQLE 84
    |||||||
Qy 61 DEPWKLCRLHQAPTAGAVRFWCSLPTADTSSFPLELRVTASGAPRYHRVHINEVYL 120
    |||||||
Db 85 DEPWKLCRLHQAPTAGAVRFWCSLPTADTSSFPLELRVTASGAPRYHRVHINEVYL 144
    |||||||
Qy 121 LDAPVGLVARLADSGHVVLRLPPEPTMTSHIRYEVDSAGNGAGSVQVRVEILGRT 180
    |||||||
Db 145 LDAPVGLVARLADSGHVVLRLPPEPTMTSHIRYEVDSAGNGAGSVQVRVEILGRT 204
    |||||||
Qy 181 CVLSNLRGRTRYTFAVARARMAEPSEFGFWSAMSEPVSLTPSDLD 225
    |||||||
Db 205 CVLSNLRGRTRYTFAVARARMAEPSEFGFWSAMSEPVSLTPSDLD 249
    |||||||
```

```

RESULT 3
US-09-791-537-38134
; Sequence 38134, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38134
; LENGTH: 228
; TYPE: PRT
; ORGANISM: pdb 1CNA4
US-09-791-537-38134
```

```

Query Match          98.6%; Score 1177; DB 5; Length 228;
Best Local Similarity 98.7%; Pred. No. 1.1e-104;
Matches 222; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```

Qy 1 APPNLPDPKFEKKAALLAARGPEELCTERLEDVLCFWEAASAGVGPNYSFSYQLE 60
    |||||||
Db 4 APPNLPDPKFEKKAALLAARGPEELCTERLEDVLCFWEAASAGVGPNYSFSYQLE 63
    |||||||
Qy 61 DEPWKLCRLHQAPTAGAVRFWCSLPTADTSSFPLELRVTASGAPRYHRVHINEVYL 120
    |||||||
Db 64 DEPWKLCRLHQAPTAGAVRFWCSLPTADTSSFPLELRVTASGAPRYHRVHINEVYL 123
    |||||||
Qy 121 LDAPVGLVARLADSGHVVLRLPPEPTMTSHIRYEVDSAGNGAGSVQVRVEILGRT 180
    |||||||
Db 124 LDAPVGLVARLADSGHVVLRLPPEPTMTSHIRYEVDSAGNGAGSVQVRVEILGRT 183
    |||||||
```

```

Qy 181 CVLSNLRGRTRYTFAVARARMAEPSEFGFWSAMSEPVSLTPSDLD 225
    |||||||
Db 184 CVLSNLRGRTRYTFAVARARMAEPSEFGFWSAMSEPVSLTPSDLD 228
    |||||||
```

```

RESULT 4
US-09-791-537-68105
; Sequence 68105, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 68105
; LENGTH: 227
; TYPE: PRT
; ORGANISM: pdb 1EERB
US-09-791-537-68105
```

```

Query Match          97.0%; Score 1158.5; DB 5; Length 227;
Best Local Similarity 98.2%; Pred. No. 6.7e-103;
Matches 220; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
```

```

Qy 2 PPNLPDPKFEKKAALLAARGPEELCTERLEDVLCFWEAASAGVGPNYSFSYQLE 61
    |||||||
Db 4 PPNLPDPKFEKKAALLAARGPEELCTERLEDVLCFWEAASAGVGPNYSFSYQLE 62
    |||||||
Qy 62 EPWKLCLRLHQAPTAGAVRFWCSLPTADTSSFPLELRVTASGAPRYHRVHINEVYL 121
    |||||||
Db 63 EPWKLCLRLHQAPTAGAVRFWCSLPTADTSSFPLELRVTASGAPRYHRVHINEVYL 122
    |||||||
Qy 122 DAPVGLVARLADSGHVVLRLPPEPTMTSHIRYEVDSAGNGAGSVQVRVEILGRT 181
    |||||||
Db 123 DAPVGLVARLADSGHVVLRLPPEPTMTSHIRYEVDSAGNGAGSVQVRVEILGRT 182
    |||||||
Qy 182 VLSNLRGRTRYTFAVARARMAEPSEFGFWSAMSEPVSLTPSDLD 225
    |||||||
Db 183 VLSNLRGRTRYTFAVARARMAEPSEFGFWSAMSEPVSLTPSDLD 226
    |||||||
```

```

RESULT 5
US-09-791-537-105911
; Sequence 105911, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 105911
; LENGTH: 215
; TYPE: PRT
; ORGANISM: pdb 1EBAA
US-09-791-537-105911
```

```

Query Match          94.9%; Score 1133; DB 5; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.7e-100;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 10 KFEKKAALLAARGPEELCTERLEDVLCFWEAASAGVGPNYSFSYQLEDEPWKLCRL 69
    |||||||
```

```
Db 1 KESKAALLAANGPEELICFTERLEDVCFWEBAASAGVPGNYSFYOLEDEPMKICRL 60
QY 70 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 129
Db 61 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 120
QY 130 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 189
Db 121 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 180
QY 190 TRYTFAVRARMAEPSFGFWSAMSEPVSLTTPSD 224
Db 181 TRYTFAVRARMAEPSFGFWSAMSEPVSLTTPSD 215

RESULT 6
US-09-791-537-67299
; Sequence 67299, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Dauter, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 67299
; LENGTH: 213
; TYPE: PRT
; ORGANISM: pdb 1ERNA
US-09-791-537-67299
```

```
Query Match          94.1%; Score 1123; DB 5; Length 213;
Best Local Similarity 100.0%; Pred. No. 1.6e-99;
Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 10 KESKAALLAANGPEELICFTERLEDVCFWEBAASAGVPGNYSFYOLEDEPMKICRL 69
Db 1 KESKAALLAANGPEELICFTERLEDVCFWEBAASAGVPGNYSFYOLEDEPMKICRL 60
QY 70 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 129
Db 61 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 120
QY 130 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 189
Db 121 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 180
QY 190 TRYTFAVRARMAEPSFGFWSAMSEPVSLTTPS 222
Db 181 TRYTFAVRARMAEPSFGFWSAMSEPVSLTTPS 213
```

```
RESULT 7
US-09-502-984B-2
; Sequence 2, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
```

```
; SEQ ID NO 2
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-502-984B-2
```

```
Query Match          93.1%; Score 1112; DB 5; Length 211;
Best Local Similarity 100.0%; Pred. No. 1.7e-98;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 10 KESKAALLAANGPEELICFTERLEDVCFWEBAASAGVPGNYSFYOLEDEPMKICRL 69
Db 1 KESKAALLAANGPEELICFTERLEDVCFWEBAASAGVPGNYSFYOLEDEPMKICRL 60
QY 70 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 129
Db 61 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 120
QY 130 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 189
Db 121 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 180
QY 190 TRYTFAVRARMAEPSFGFWSAMSEPVSLT 220
Db 181 TRYTFAVRARMAEPSFGFWSAMSEPVSLT 211
```

```
RESULT 8
US-09-791-537-86927
; Sequence 86927, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Dauter, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 86927
; LENGTH: 211
; TYPE: PRT
; ORGANISM: pdb 1EBPA
US-09-791-537-86927
```

```
Query Match          93.1%; Score 1112; DB 5; Length 211;
Best Local Similarity 100.0%; Pred. No. 1.7e-98;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 10 KESKAALLAANGPEELICFTERLEDVCFWEBAASAGVPGNYSFYOLEDEPMKICRL 69
Db 1 KESKAALLAANGPEELICFTERLEDVCFWEBAASAGVPGNYSFYOLEDEPMKICRL 60
QY 70 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 129
Db 61 HOAPTAGAVRRWCSLPTADTSSFVPLELRVTAASGAPRYHRYIHNEVLLDAPVGLVA 120
QY 130 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 189
Db 121 RLADSGHVLLRWLPPETPMTSHIRYEVDSAGNGAGSVORVEILEGRTCEVLSNLRGR 180
QY 190 TRYTFAVRARMAEPSFGFWSAMSEPVSLT 220
Db 181 TRYTFAVRARMAEPSFGFWSAMSEPVSLT 211
```

```
RESULT 9
US-09-502-984B-18
; Sequence 18, Application US/09502984B
```

```

; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 211
; TYPE: PRF
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-18
```

```

Query Match          92.1%; Score 1100; DB 5; Length 211;
Best Local Similarity 99.1%; Pred. No. 2, 4e-97;
Matches 209; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```

QY 10 KFSKALLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 69
    1 KFSKAAFLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 60
DB 1 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 129
    1 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 120
QY 130 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 189
    1 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 180
DB 121 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 180
QY 190 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 220
    181 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 211
DB 181 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 211
```

```

RESULT 10
US-09-502-984B-7
; Sequence 7, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 211
; TYPE: PRF
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-7
```

```

Query Match          92.0%; Score 1099; DB 5; Length 211;
Best Local Similarity 98.1%; Pred. No. 3e-97;
Matches 207; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 10 KFSKALLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 69
    1 KFSKALLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 60
DB 1 KFSKALLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 60
```

```

QY 70 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 129
    1 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 120
DB 61 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 120
QY 130 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 189
    1 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 180
DB 121 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 180
QY 190 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 220
    181 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 211
DB 181 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 211
```

```

RESULT 11
US-09-502-984B-12
; Sequence 12, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 211
; TYPE: PRF
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-12
```

```

Query Match          91.9%; Score 1097; DB 5; Length 211;
Best Local Similarity 97.6%; Pred. No. 4, 7e-97;
Matches 206; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 10 KFSKALLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 69
    1 KFSKALLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 60
DB 1 KFSKALLAARGPEELCTERLEDLVCFWEBAASAGVPGNYSFYOLEDEPMKLCRL 60
QY 70 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 129
    1 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 120
DB 61 HQAPTARGAVRFWCSPJTDTSFVPLELRVTAASGAPRHRVHINEVLLDAPVGLVA 120
QY 130 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 189
    1 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 180
DB 121 RLADSGHVLRWLPPPEPMTSHIREVDVSAGNGAGSVQVREILLEGRTCYLSMLRGR 180
QY 190 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 220
    181 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 211
DB 181 TRTYFAVRARMAEPSTFGGFWMSAMSEPVSLIT 211
```

```

RESULT 12
US-09-502-984B-13
; Sequence 13, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
```

query match 91.78; score 1095; db 5; length 211,

Best Local Similarity 97.6%; Pred. No. 7.4e-97;  
Matches 206; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```
QY 10 KFSKKAALLAARGPEELICFTEERLEDLVCFWEAASAGVGPNGNYSFSYOLEDEPPWKL CRL 69
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1 KFSKKAALLAARGPEELICFTEERLEDLVCFWEAASAGVGPNGNYSFSYOLEDEPPWKL CRL 60
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 70 HQAPTARGAVRFMCSLPTADTSSFPLELRVTAASGAPRRYHRYIHINEVVLDPVGLVA 129
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 61 HQAPTARGAVRFMCSLPTADTSSFPLELRVTAASGAPRRYHRYIHINEVVLDPVGLVA 120
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 130 RLADSGHVVLRLPPPETPMTSHIREVDVSAGNGAGSVQRYEILEGRTCEVLSNLGR 189
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 121 RLADSGHVVLRLPPPETPMTSHIREVIDISAGNGAGSVQRYEILEGRTCEVLSNLGR 180
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 190 TRTYFAVRARMAEPSEFGCFWMSANSEPVSLT 220
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 181 TRTYFAVRARMAEPSEFGCFWMSANSEPVSLT 211
    |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

Search completed: August 28, 2002, 17:39:04  
Job time: 550 sec